Temperature Measurement Kiosks with Facial Recognition

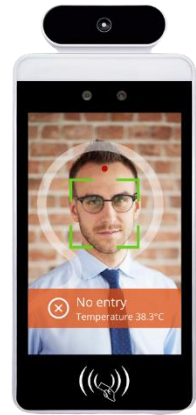Industry-leading, automated personnel check-in kiosk.

Non-contact kiosks automatically read body temperature in seconds, with optional facial recognition. These kiosks are designed to prevent virus spread and provide a safe environment for your employees, customers and visitors.

Screen all individuals before entry to public and private premises such as office buildings, factories, manufacturing plants, healthcare settings, shops, supermarkets, hotels, schools and universities.

- ✓ Non-contact, fully automated kiosk
- ✓ Reads temperature in ~ 1 second
- ✓ Set your own acceptable temperature thresholds
- ✓ Integrate with gates, turnstiles and door access
- ✓ On screen message displays temperature reading alongside optional verbal message and LED traffic light system
- ✓ Optional facial recognition to recognise and allow entry to vetted individuals within the facial database
- ✓ Plug and play solution – works standalone out of the box with only power required
- ✓ Access and export your logs to excel
- ✓ 1-year standard warranty

LD-AITemp-FMKiosk

Accurate temperature detection

✓ Reads temperature in ~ 1 second
✓ Top of the range German manufactured temperature sensor
✓ Marginal measurement error of ±0.2°C (0.3 metres) from close range, and ±0.5°C/±0.9°F from further away
✓ The recommended distance for the most accurate readings is 0.5 metres, with 1 metre being the furthest distance where temperature can be read
✓ Temperature threshold for abnormal temperatures is easily adapted in the application settings
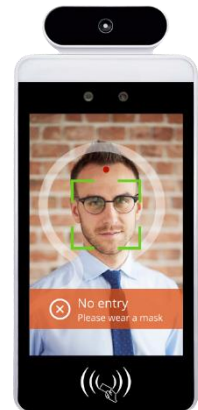
LD-AITemp-WallDevice

Durable, commercial-grade hardware

✓ 8-inch IPS full-view LCD display
✓ Commercial-grade, waterproof and dust-proof design which is durable and reliable
✓ Built-in speakers provide audio alerts including warnings for abnormal temperatures and to request that users wear a mask
✓ Supports various peripheral expansions such as ID card reader, fingerprint reader, two-dimensional code reader etc.

LD-AITemp-DMKiosk

Smart facial recognition

✓ Industrial-grade binocular wide dynamic camera, night infrared and LED dual photo flood lamp
✓ Face recognition speed is ~ 1 second
✓ Database capacity for 30,000 faces
✓ Supports recognition and comparison of faces with masks
✓ The 1:1 comparison recognition rate is more than 99.7%, the 1:N comparison recognition rate is more than 96.7% at a 0.1% misrecognition rate, and the live detection accuracy rate is 98.3% at a 1% mis rejection rate
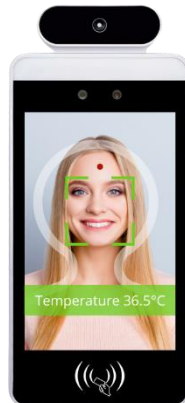
LD-AITemp-WallDevice

Mounting and Configuration

Mount the device onto an existing surface or select a desk stand, freestanding floor stand or wall mount.

LD-AITemp-WallDevice

LD-AITemp-DMKiosk

LD-AITemp-Device

LD-AITemp-FMKiosk

Turnstile Integration

Integrate the device with turnstile access using our dry relay connection, to allow turnstiles to open to staff and/or visitors that pass the acceptable temperature threshold.

LD-AITemp-Device

Product Codes

Model Name	Product Code	Product No	Product Notes
Temperature Pass Management & Face Recognition Surface Fixed Terminal	LD-AITemp-Device	7091135919162	Kiosk Device Only – On Pole To Be Mounted To Existing Surface
Temperature Pass Management & Face Recognition Wall Terminal	LD-AITemp-WallDevice	7091136435555	Kiosk Device With Wall Mount
Temperature Pass Management & Face Recognition Terminal on a Pedestal	LD-AITemp-FMKiosk	7091135919162-7091132058802	Kiosk Device With Freestanding Floor Mount
Temperature Pass Management & Face Recognition Terminal on a Desk Stand	LD-AITemp-DMKiosk	7091135919162-7091134419595	Kiosk Device With Portable Desktop Stand
Temperature Kiosk Pedestal Floor Mount	LD-AITemp-FloorMount	7091132058802	Freestanding Floor Mount Only
Temperature Kiosk Desktop Stand	LD-AITemp-DeskMount	7091134419595	Desktop Stand Only

Specifications

Model	Temperature Pass Management Module & Face Recognition Kiosk	
Camera	Resolution	2 million pixels
	Type	Binocular wide dynamic camera
	Aperture	F2.4
	Focusing distance	50-150cm
	White balance	Auto
	Photo flood light	LED and IR dual photo flood light
Screen	Size	8.0 inch IPS LCD screen
	Resolution	800 x 1280
	Touch	Not supported (optional upgrade)
Processor	CPU	RK3288 quad-core (optional upgrades - RK3399 six-core, MSM8953 eight-core)
	Storage	EMMC 8G
Interface	Network module	Ethernet and wireless (WIFI)
	Audio	2.5W/4R speakers
	USB	1 USB OTG, 1 USB HOST standard A port
	Serial communication	1 RS232 serial port
	Relay output	1 door open signal output
	Wiegand	One Wiegand 26/34 output, one Wiegand 26/34 input
	Upgrade button	Support Uboot upgrade button
	Wired network	1 RJ45 Ethernet socket
Function	Card reader	ID/IC card reader
	Face database library	Up to 30,000
	1:N face recognition	Support
	1:1 face comparison	Support
	Stranger detection	Support
	Identify distance configuration	Support
	UI interface configuration	Support
	Upgrade remotely	Support
	Interface	Interfaces include device management and settings configuration, personnel/photo management, access and export of logs.

Specifications

	Deployment method	Support public cloud deployment, privatised deployment, LAN use, standalone use.
	Alerts feature (COMING SOON)	Email notifications with temperature readings.
Infrared Thermal Imaging Module	Temperature detection	Support – Optional feature which can be disabled if not required.
	Temperature detection distance	1 meter (optimal distance is 0.5 meter)
	Temperature error rate	± 0.5°C, ± 0.9°F
	Temperature measurement range	10°C ~ 42°C, 50 ~ 107.6°F
	Thermal field of view	32° x 32°
	Normal temperature confirmation	Support – Optional settings for verbal confirmation message and success light can be configured.
	Abnormal temperature alarm	Support – Temperature threshold can be configured as well as optional settings for verbal warning message and warning light.
General Parameters	Power	Input: 100-240V Output: 12V (±10%)
	Operating temperature	0°C ~ 60°C, 32°F ~ 140°F
	Storage temperature	-20°C ~ 60°C, -4°F ~ 140°F
	Power consumption	13.5W (max)
	Installation method	4 configurations available – surface, wall mount, desktop stand mount, freestanding pedestal mount
	Size	H260.18 x W132.88 x D25 (mm)
	Packing list	Kiosk terminal (1), power adapter for your region (1), mount of choice (1)
Warranty and Support	Warranty period	1-year standard warranty
	Warranty upgrade	Hot swap-out warranty for lifetime or fixed term
	Technical support	Support via live chat, email and phone available

Networked Deployment

Monitor logs and facial database from a central backend on your network. You can pull reports based on areas and monitor, configure and control your devices from a central PC.

The interface of each terminal is defined as follows:

Relay	Terminal electrical definition
Pin 1	COM
Pin 1	NO

Wiegand Input	Terminal electrical definition
Pin1	D0_IN
Pin2	D1_IN
Pin3	12V
Pin4	GND

Wire Interface Definition

Wiegand Output	Terminal electrical definition
Pin1	D0_OUT
Pin2	D1_OUT
Pin3	GND

232 Serial Port	Terminal electrical definition
Pin1	232_RX1
Pin2	232_TX1
Pin3	GND

Kiosk Terminal

132.88mm
90mm
36mm
260.18mm
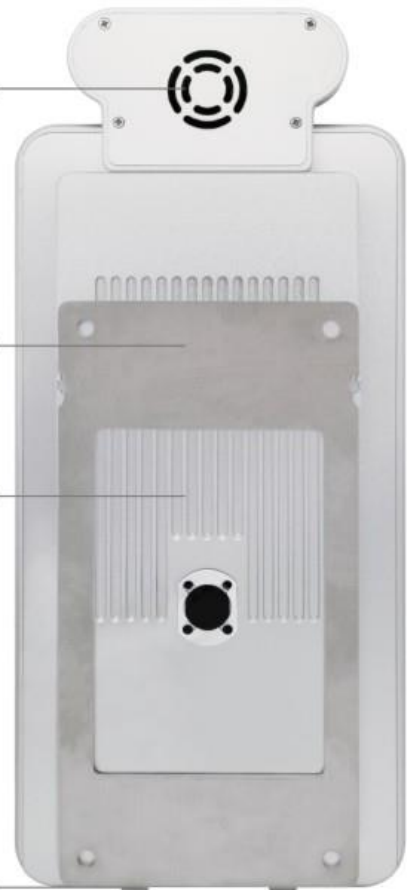
Infrared thermal imaging module

Wall mount

heat sink

Speaker

Wall Mount

Desk Mount

Surface Mount

Freestanding Floor Mount

321.44

105.57

1307.5

1250

44.92
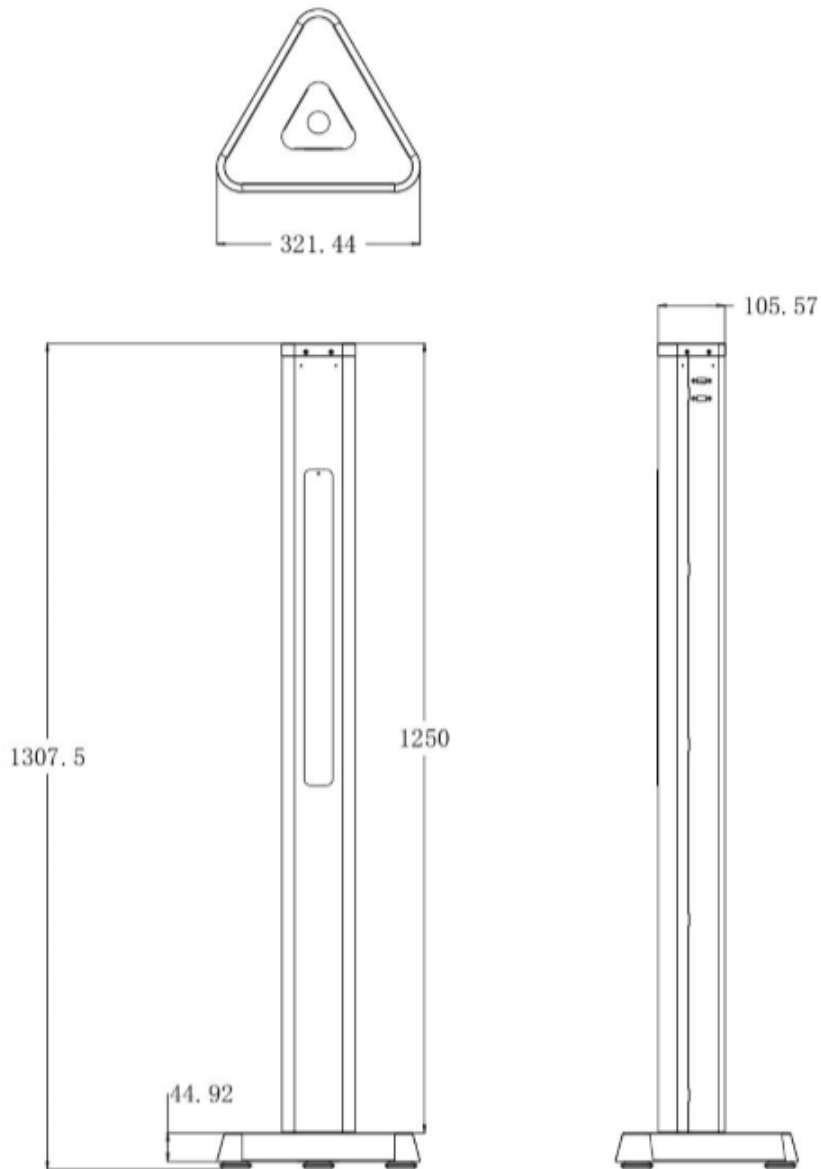
Display Technology Specialists

CONTACT US

Brian Gertler
Partner | SVP
516.773.0918
BGertler@myLDI.com